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CBSE NET DECEMBER 2011

THEORY OF COMPUTATION

Which one of the following statement is false ?

- (A) Context-free languages are closed under union.
- (B) Context-free languages are closed under concatenation.
- (C) Context-free languages are closed under intersection.
- (D) Context-free languages are closed under Kleene closure.

Ans:-C

Explanation:- CFL's are closed under union, concatenation, and Kleene closure. But not under intersection or difference. So the correct answer is option C.

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